

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

902.553-1

10/082,631

APPLICANT

P. Spruyt

FILING DATE

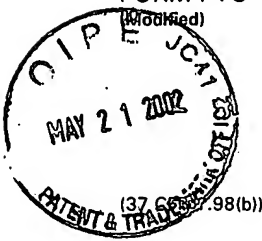
February 22, 2002

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	5 9 1 0 9 7 0	6/8/99	Lu	375	377	
<i>[Signature]</i>	5 4 0 0 3 2 2	3/21/95	Hunt et al.	370	19	
<i>[Signature]</i>	5 6 2 7 8 6 3	5/6/97	Aslanis et al.	375	357	
<i>[Signature]</i>	5 8 6 7 5 2 8	2/2/99	Verbueken	375	222	
<i>[Signature]</i>	5 2 4 1 5 4 4	8/31/93	Jasper et al.	370	105.3	
<i>[Signature]</i>	5 5 0 6 8 6 5	4/9/96	Weaver, Jr.	375	205	
<i>[Signature]</i>	5 5 4 8 3 4 4	8/20/96	Park	348	726	
<i>[Signature]</i>	5 5 4 6 1 9 0	8/13/96	Hill et al.	359	158	
<i>[Signature]</i>	5 7 4 8 6 7 7	5/5/98	Kumar	375	285	
<i>[Signature]</i>	5 9 4 3 3 6 1	8/24/99	Gilhousen et al.	375	200	
<i>[Signature]</i>	5 1 0 3 4 5 9	4/7/92	Gilhousen et al.	375	1	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

<i>[Signature]</i>	"Network and Customer Installation Interfaces-Asymmetric Digital Subscriber Line (ADSL) Metallic Interface"; ANSI Standard on ADSL; TIE1.413-1995; pp.46 and 58
<i>[Signature]</i>	"A Multicarrier E1-HDSL Tranceiver System with Coded Modulation"; P. S. Chow et al.; Journal of European Transactions on Telecommunications and Related Technologies (ETT); pp.257-266

EXAMINER

DATE CONSIDERED

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(37 CFR 1.98(b))

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<i>JS</i>	5 4 0 6 5 5 1	4/11/95	Saito et al.	370	19	✓
<i>JS</i>	5 3 1 1 5 4 1	5/10/94	Sanderford, Jr.	375	1	✓
<i>JS</i>	5 4 1 4 7 3 4	5/9/95	Marchetto et al.	375	267	✓
<i>JS</i>	5 7 4 5 8 3 9	4/28/98	Leiberman	455	10	✓
<i>JS</i>	5 7 5 1 7 6 1	5/12/98	Gilhousen	375	200	✓
<i>JS</i>	5 7 0 3 8 7 3	12/30/97	Ojanpera et al.	370	332	✓
<i>JS</i>	5 7 9 0 5 1 4	8/4/98	Marchok et al.	370	208	✓
<i>JS</i>	6 1 1 8 7 5 8	9/12/00	Marchok et al.	370	210	✓
<i>JS</i>	5 9 9 1 3 0 8	11/23/99	Fuhrmann et al.	370	474	✓

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						YES	NO

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